

**Amendments to the Claims:**

Please amend the claims as indicated. This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of claims:**

Claims 1-14 (cancelled without prejudice)

Claims 15-19 (cancelled)

20. (currently amended) ~~The apparatus according to claim 15.~~An apparatus for cleaning catalyst selected for use in a group of confined spaces, consisting of inert spaces or other hazardous environment spaces, comprising:

a reactor vessel;

a robotic device having a cleaning arm connected to said robotic device;

wherein said robotic device has a main body, a means for stabilizing said robotic device connected to the main body, a turret connected to the main body, and wherein said cleaning arm is connected to said turret;

wherein said cleaning arm includes an articulatable frame assembly and a suction line mounted to said articulatable frame assembly

wherein said robotic device is within the reactor vessel;

a vacuum line connected through the reactor vessel and through said robotic device to said cleaning arm; and  
the reactor vessel being free from having a human operator within the reactor vessel.

21. (original) The apparatus according to claim 20, further including a fitting connected to said suction line; and  
a nozzle connected through the fitting.

Claims 22-23 (cancelled)

Claims 24-25 (cancelled without prejudice)

26. (previously presented) The apparatus according to claim 20, further comprising:

a clamping mechanism connecting said suction line to said turret;

a first knuckle activated by a first ram and a linkage connected in said articulatable frame assembly; and

a second knuckle activated by a second ram and a second linkage connected in said articulatable frame assembly.

27. (previously presented) An apparatus for cleaning catalyst selected for use in a group of confined spaces, consisting of inert spaces or other hazardous environment spaces, comprising:

a reactor vessel;

a robotic device having a cleaning arm connected to said robotic device;

wherein said robotic device has a main body, a means for stabilizing said robotic device connected to the main body, a turret connected to the main body, and wherein said cleaning arm is connected to said turret;

wherein said robotic device is within the reactor vessel;

a vacuum line connected through the reactor vessel and through said robotic device to said cleaning arm;

wherein said cleaning arm includes an articulatable frame assembly and a suction line mounted to said articulatable frame assembly;

the reactor vessel being free from having a human operator within the reactor vessel;

a clamping mechanism connecting said suction line to said turret;  
a first knuckle activated by a first ram and a linkage connected in said articulatable frame assembly; and

a second knuckle activated by a second ram and a second linkage connected in said articulatable frame assembly.